

| L Number | Hits | Search Text | DB | Time stamp |
|----------|-------|--|-------|---------------------|
| 16 | 405 | ((copper or cu) with pad) and (al or aluminum) and (tantalum or ta) | USPAT | 2003/09/02 11:40 |
| 17 | 245 | ((copper or cu) with pad) and (al or aluminum) and ((tantalum adj nitride) or tan) | USPAT | 2003/09/02 11:25 |
| 18 | 112 | ((copper or cu) with pad) and (al or aluminum) and ((tantalum adj nitride) or tan)) and (@ad<19991118) | USPAT | 2003/09/02 11:31 |
| 19 | 1741 | (copper or cu) and (al or aluminum) and (Bond adj pad) | USPAT | 2003/09/02 11:31 |
| 20 | 1245 | ((copper or cu) and (al or aluminum) and (Bond adj pad)) and (@ad<19991118) | USPAT | 2003/09/02 11:41 |
| 21 | 959 | ((copper or cu) and (al or aluminum) and (Bond adj pad)) and (@ad<19991118)) and (dielectric or passivation or insulation or insulating) | USPAT | 2003/09/02 11:42 |
| 22 | 344 | ((((copper or cu) and (al or aluminum) and (Bond adj pad)) and (@ad<19991118)) and (dielectric or passivation or insulation or insulating)) and barrier | USPAT | 2003/09/02 11:32 |
| 23 | 1584 | ((copper or cu) same pad) and (al or aluminum) and barrier | USPAT | 2003/09/02 11:41 |
| 24 | 1091 | ((copper or cu) same pad) and (al or aluminum) and barrier) and (@ad<19991118) | USPAT | 2003/09/02 11:50 |
| 25 | 779 | ((((copper or cu) same pad) and (al or aluminum) and barrier) and (@ad<19991118)) and (bond or bonding) | USPAT | 2003/09/02 11:42 |
| 26 | 632 | (((((copper or cu) same pad) and (al or aluminum) and barrier) and (@ad<19991118)) and (bond or bonding)) and (dielectric or passivation or insulation or insulating) | USPAT | 2003/09/02 11:48 |
| 27 | 470 | (((((copper or cu) same pad) and (al or aluminum) and barrier) and (@ad<19991118)) and (bond or bonding)) and (dielectric or passivation or insulation or insulating)) not (((((copper or cu) and (al or aluminum) and (Bond adj pad)) and (@ad<19991118)) and (dielectric or passivation or insulation or insulating)) and barrier) | USPAT | 2003/09/02 11:43 |
| 28 | 11626 | ((holes or holes or gap or gaps or vias or via or trenches or trench) with(dielectric or passivation or insulation or insulating)) and pad | USPAT | 2003/09/02 11:49 |
| 29 | 2012 | ((holes or holes or gap or gaps or vias or via or trenches or trench) with(dielectric or passivation or insulation or insulating)) and ((bond or bonding) adj pad) | USPAT | 2003/09/02 11:50 |
| 30 | 415 | ((holes or holes or gap or gaps or vias or via or trenches or trench) with(dielectric or passivation or insulation or insulating)) and ((bond or bonding) adj pad)) and (barrier and (@ad<19991118)) | USPAT | 2003/09/02 11:50 |
| 31 | 289 | ((holes or holes or gap or gaps or vias or via or trenches or trench) with(dielectric or passivation or insulation or insulating)) and ((bond or bonding) adj pad)) and (barrier and (@ad<19991118))) not (((((copper or cu) same pad) and (al or aluminum) and barrier) and (@ad<19991118)) and (bond or bonding)) and (dielectric or passivation or insulation or insulating)) | USPAT | 2003/09/02 11:50 |

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|----|-----|--|-------|---------------------|
| 32 | 210 | (((((holes or holes or gap or gaps or vias or via or trenches or trench) with(dielectric or passivation or insulation or insulating)) and ((bond or bonding) adj pad)) and (barrier and (@ad<19991118))) not (((((copper or cu) same pad) and (al or aluminum) and barrier) and (@ad<19991118)) and (bond or bonding)) and (dielectric or passivation or insulation or insulating))) not (((((copper or cu) and (al or aluminum) and (Bond adj pad)) and (@ad<19991118)) and (dielectric or passivation or insulation or insulating)) and barrier) | USPAT | 2003/09/02 11:51 |
| 33 | 10 | ("5034346" "5149674" "5248903" "5266522" "5345108" "5403777" "5502337" "5646449" "5736791" "5739587").PN. | USPAT | 2003/09/02 11:54 |
| 34 | 20 | 5923088.URPN. | USPAT | 2003/09/02 11:55 |